Development of a Filling Height Controller

In a counter-current operated extraction setup, using membrane separators, the filling height of an equilibrium vessel should be controlled. The task's difficulty lies in the requested size and the automation of the device. The vessel size should be 0.5 ml or smaller; automation of the pump settings is currently utilized by an Arduino and the Python serial module.

You will work on an already existing framework but refine the idea and integrate it into the extraction setup.

- **Possible Tasks are**
  - Design of a tailor-made 3D-printed auxiliary equipment to measure the filling height of the equilibrium vessel (CAD drawing is not obligatory)
  - **Design your own control concept.** Control the filling height with a suitable approach and test it on the extraction skid
  - **Integration** of the device into the extraction setup

- **Start: Right now**
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